

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: METALUX

Report Number: P566132

Luminaire Tested: **4SNX-20SL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566132  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-20SL-UNV-L940-CD  
Description: 4FT 2000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

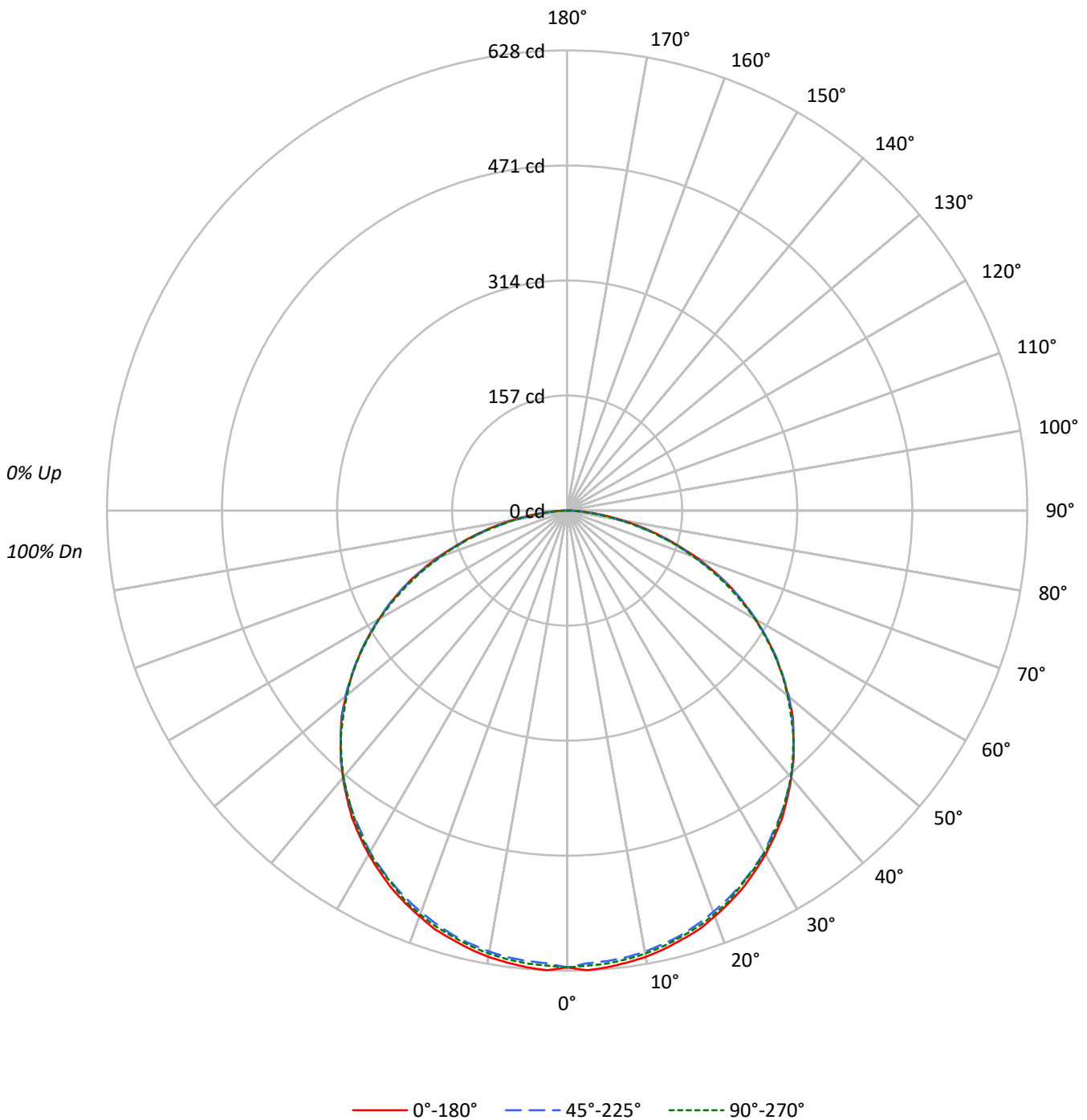
Lumens per Lamp: N/A  
Luminaire Lumens: 1864.0 lumens  
Efficiency: N/A  
Efficacy: 154.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6710	6710	6710
5°	6761	6669	6706
10°	6759	6679	6710
15°	6753	6685	6710
20°	6749	6678	6717
25°	6745	6678	6691
30°	6732	6689	6703
35°	6725	6674	6682
40°	6688	6680	6672
45°	6648	6657	6648
50°	6599	6618	6571
55°	6512	6533	6503
60°	6385	6409	6372
65°	6255	6212	6125
70°	5945	5822	5753
75°	5431	5244	5269
80°	4692	4345	4451
85°	3532	3396	3051



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.1	3.2
10°-20°	170.4	9.1
20°-30°	260.7	14.0
30°-40°	318.8	17.1
40°-50°	337.2	18.1
50°-60°	310.7	16.7
60°-70°	239.5	12.8
70°-80°	134.1	7.2
80°-90°	33.4	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	490.3	26.3
0°-40°	809.1	43.4
0°-60°	1457.0	78.2
0°-90°	1864.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1864.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	623	623	623	623	623	
5°	626	623	617	623	621	59
15°	606	605	600	605	602	171
25°	568	567	562	567	563	262
35°	512	511	508	510	508	320
45°	437	438	437	437	437	337
55°	347	350	348	348	346	310
65°	246	246	244	238	240	242
75°	131	129	126	122	127	138
85°	29	27	28	28	25	35
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	623.4	623.4	623.4	623.4	623.4
2.5°	627.9	625.1	618.4	624.5	621.7
5°	625.7	623.4	617.2	623.4	620.6
7.5°	622.3	620.6	615.0	620.6	617.8
10°	618.4	616.7	611.1	616.7	613.9
12.5°	612.8	611.6	606.0	611.6	608.8
15°	606.0	604.9	599.9	604.9	602.1
17.5°	599.3	597.1	592.0	597.6	595.4
20°	589.2	588.1	583.0	588.1	586.4
22.5°	579.1	578.0	573.5	578.0	576.9
25°	567.9	566.8	562.3	566.8	563.4
27.5°	555.0	555.6	550.5	553.3	551.7
30°	541.6	541.6	538.2	539.3	539.3
32.5°	527.0	527.0	521.9	525.3	524.7
35°	511.8	510.7	507.9	509.6	508.5
37.5°	493.9	493.3	491.7	492.8	491.7
40°	476.0	476.5	475.4	474.8	474.8
42.5°	457.5	458.6	456.9	456.3	455.8
45°	436.7	438.4	437.3	436.7	436.7
47.5°	417.7	418.2	416.5	416.0	414.3
50°	394.1	396.4	395.2	394.1	392.4
52.5°	370.6	373.9	371.7	370.6	370.6
55°	347.0	349.8	348.1	348.1	346.5
57.5°	322.4	325.2	322.9	322.9	320.7
60°	296.6	299.4	297.7	296.0	296.0
62.5°	270.8	273.0	272.5	269.7	268.0
65°	245.6	245.6	243.9	237.7	240.5
67.5°	217.0	216.4	214.2	208.0	211.9
70°	188.9	188.9	185.0	177.7	182.8
72.5°	158.7	160.3	155.3	150.2	155.3
75°	130.6	128.9	126.1	121.7	126.7
77.5°	103.7	100.9	97.5	95.3	98.1
80°	75.7	74.0	70.1	70.1	71.8
82.5°	51.6	49.9	47.1	47.7	45.4
85°	28.6	26.9	27.5	27.5	24.7
87.5°	11.8	11.8	11.8	10.7	9.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)